

Appl. No. 10/690,512
Amdt. dated April 7, 2005
Reply to Office action of March 7, 2005

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A beveller for a carpet, the beveller comprising:

a rotatable blade for cutting material, the blade being mounted about an axis of rotation and having an edge which is non-linear radially;

a counter-knife having an edge mounted adjacent to the blade; and

wherein the counter-knife edge generally conforms to a profile of the blade edge to permit the blade edge to pass adjacent the counter-knife edge, as the blade rotates, to shear material placed between the blade edge and the counter-knife edge.
2. (original) The beveller of claim 1, wherein the counter-knife edge and blade edge form an acute cutting angle there between when the blade is rotated relative to the counter-knife, the apex of the acute cutting angle moving along the counter-knife edge as the blade is rotated to shear material placed adjacent the apex.
3. (original) The beveller of claim 1, in which the blade edge is located along the surface of an imaginary cylinder formed by the rotation of the cutting edge, so that the cutting edge of the rotating blade passes the cutting edge of the counter-knife in succession when the rotating blade is turned.
4. (original) The beveller of claim 3, wherein a portion of the blade edge first rotates past the counter-knife to cut a portion of the carpet pile adjacent a base of the carpet first.
5. (original) The beveller of claim 1, wherein the counter-knife edge is parallel to the axis of rotation.
6. (withdrawn) The beveller of claim 1, wherein the blade edge has at least one curved portion.

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7. (original) The beveller of claim 1, the blade edge further comprising a portion for cleaning an edge of the carpet and the counter-knife further comprising an edge that generally conforms to a profile of the cleaning portion of the blade edge.
8. (original) The beveller of claim 1, wherein the blade edge has at least one straight portion.
9. (withdrawn) The beveller of claim 1, wherein the blade edge has at least one cusped portion.
10. (original) A beveller for a carpet comprising:
- (a) a rotatable blade having a cutting edge moveable about a first axis of rotation, the cutting edge being differentially radially spaced from the axis of rotation and tracing as it rotates a cutting boundary radially spaced from the axis of rotation; and
 - (b) a counter-knife having a cutting edge conforming radially to the shape of the rotating blade and placed so as to come into adjacent cutting relation at a point or points equidistant from the cutting boundary traced by the rotating blade.
11. (original) The beveller in claim 10 wherein the counter-knife and rotatable blade come into cutting relation sequentially axially as the rotatable blade traces the cutting boundary.
12. (original) The beveller in claim 10 wherein the counter-knife and the cutting edge of the rotatable blade are oriented in respect of a carpet edge so that they come into cutting relation to cut the carpet edge at a point sequentially from a base of the carpet to free ends of tufts of the carpet.
13. (original) The beveller in claim 10 wherein the blade is shaped so that it traces a cutting boundary which cuts a first portion which is substantially perpendicular to the plane of the carpet base and a second portion which is at an angle relative to the plane of the carpet base.

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